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(71) Applicant (for all designated States except US): **CIBA SPECIALTY CHEMICALS HOLDING INC.** [CH/CH]; Klybeckstrasse 141, CH-4057 Basel (CH).

(72) Inventors; and

(75) Inventors/Applicants (for US only): **FINK, Jochen** [DE/DE]; Kurt-Schumacher-Strasse 16, 69226 Nussloch (DE). **ROTH, Michael** [DE/DE]; Falltorweg 5, 64686 Lautertal (DE). **PFAENDNER, Rudolf** [DE/DE]; Sackgasse 3, 64668 Rimbach (DE).

(74) Common Representative: **CIBA SPECIALTY CHEMICALS HOLDING INC.**; Patentabteilung, Klybeckstrasse 141, CH-4057 Basel (CH).

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(54) Title: **GRAFTING OF NITROXYL TERMINATED OLIGOMERS OR POLYMERS ONTO THERMOPLASTIC POLYMERS**

(57) Abstract: The instant invention relates to a process for the preparation of grafted polymers wherein in a first step A) a oligomer or-polymer is prepared by controlled radical polymerization in the presence of a stable free nitroxyl radical or a nitroxylether to obtain a nitroxyl terminated oligomer or polymer and in a second step B) the nitroxyl terminated oligomer or polymer is mixed and reacted with a thermoplastic or elastomeric polymer or copolymer in its molten state at a temperature at which cleavage of the nitroxyl-polymer/oligomer bond occurs, whereby the nitroxyl terminated oligomer or polymer is grafted onto the thermoplastic or elastomeric polymer. A further subject of the present invention is a grafted polymer prepared by said process.



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